

# Setting Up ISDE Environment – Configuring Local LiveCD to provide access to NoMachine(NX)TM Client

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## Introduction

The purpose of this tutorial is to instruct ARM VAP/Ingest Developers how to configure the Virtual Machine to allow an NX client access to port forwarding so that the ISDE environment windows float on the user's desktop.

## Tutorial Objectives

By the end of this tutorial you should have a basic understanding how to configure an NX server running on LiveCD and configure a LiveCD VM to provide port forwarding for the NX client.

## Intended Audience

This tutorial is provided for the benefit of ARM VAP/Ingest Developers or any ARM users wanting to run existing VAPs/Ingests in ISDE and not be constrained to work only within the virtual machine window.

## Prerequisites

- Any platforms that support the NX client (<http://www.nomachine.com/download.php>)
- The local LiveCD was previously installed and configured.

## Tutorial

- 1) If the VirtualBox is running, quit the application.

2) From the command line set up port forwarding with the following command:

```
$> VBoxManage modifyvm "VM name" --natpf1 "guestssh,tcp,,2222,,22"
```

- "VM name" is the name of your LiveCD virtual machine.
- All TCP traffic on the host computer arriving at port 2222 will be forwarded to port 22 in the guest.
- Start VirtualBox.

3) From the command line configure your ssh connection to stay open:

```
$> cd <local-directory>
```

If no ".ssh" directory exists:

```
$> mkdir .ssh
```

If no "config" file exists edit file and fill out:

```
Host *
ServerAliveInterval 120
```

4) Start VirtualBox.

5) Start your LiveCD virtual machine.

6) After the liveuser has started open a "Terminal" for command line access.

7) In the Liveuser home directory there should be an 'export-nx.sh' executable file.

8) To start the NX server at the command line:

```
$ ./export-nx.sh
```

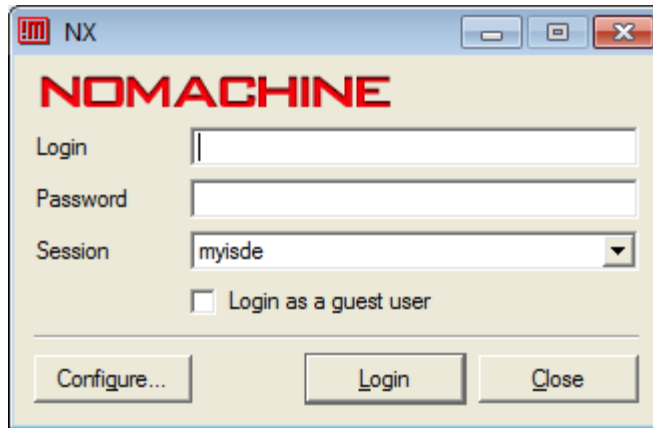
9) You will be prompted for a password that will be used by the NX client to access the NX server. The script will automatically launch the NX server.

10) Minimize the VirtualBox window.

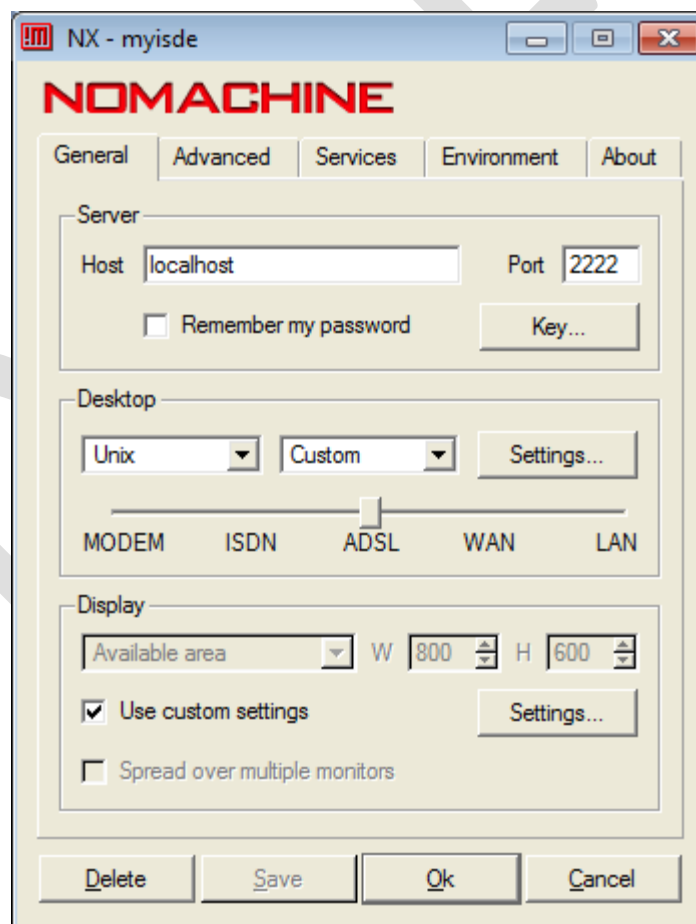
11) With a web browser download the NX client from:

<http://www.nomachine.com/download.php> .

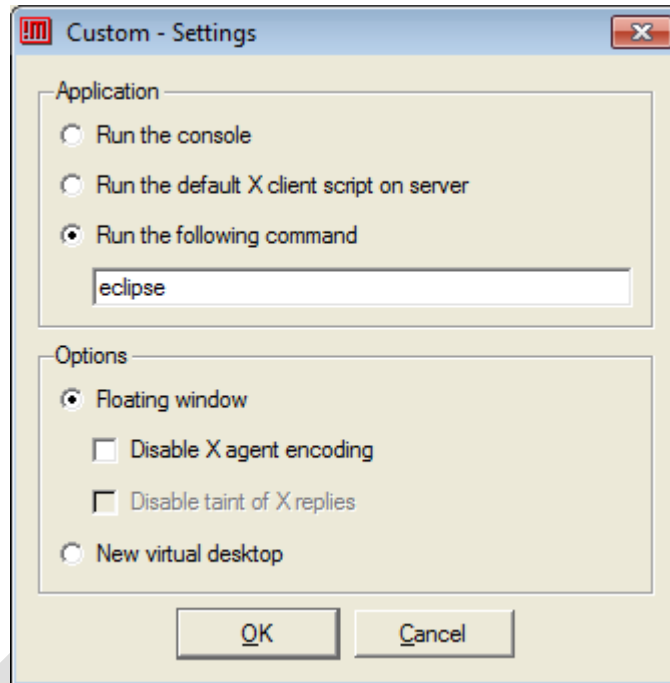
12) Start the NX Client.



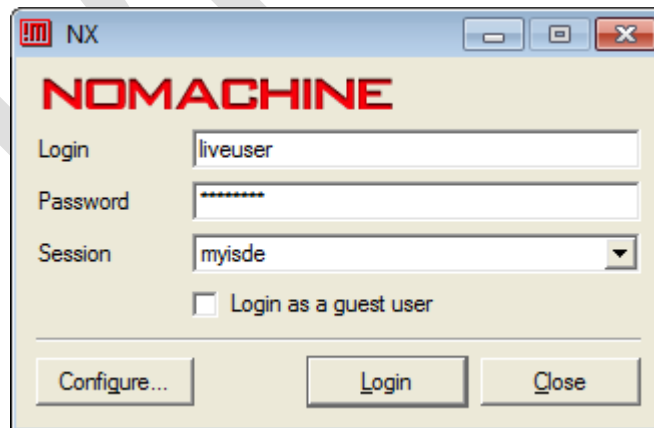
- 13) Click on the "Configure" button and configure NoMachine to connect to: BSD, DMF, or as in this example a local virtual machine. Enter the NX Server Port.



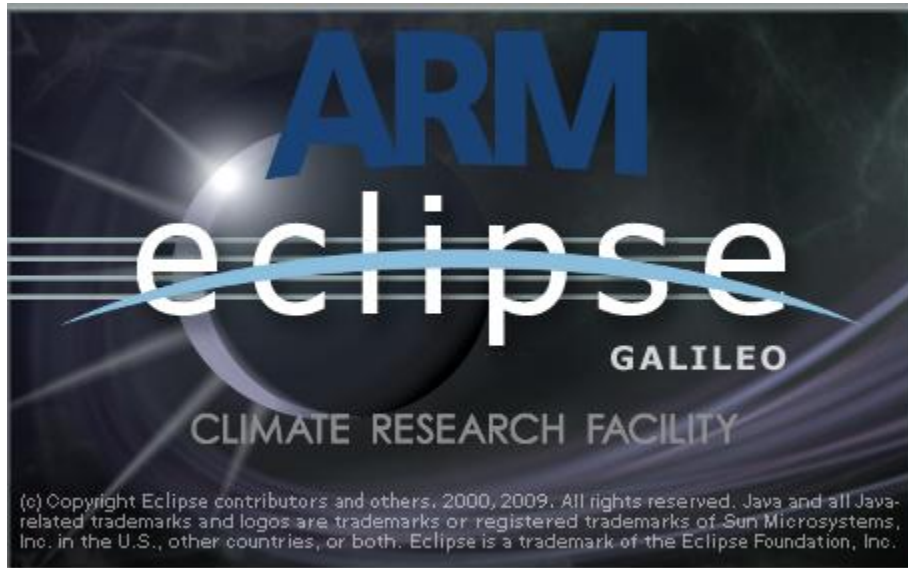
- 14) Click on the “Settings...” button. Choose the “Run the following command” radio button. Enter “eclipse” in the corresponding textbox. Click “OK” on the Custom –Settings dialog and Click “OK” again on the main form.



- 15) When prompted login to your server using the username/password provided for the NX Server.



- 16) You may receive several authenticity dialog boxes click “Yes” for each dialog.
- 17) If properly working Eclipse will automatically appear on your desktop as a floating window.



## **Related Tutorials**

<link to all tutorials relying on Install NX Client>

## **References**

## **Acknowledgements**